

Claims:

1. A powered toilet seat positioner for raising and lowering a hinged toilet

seat of a toilet, comprising:

a reversible electric motor having at least one output shaft;

at least one elongated lift member attached at one end to said toilet seat;

said output shaft of said reversible electric motor drivingly connected to said lift

member to cause movement thereof in raising and lowering directions by energization of said

electric motor to rotate in either direction to in turn cause raising and lowering of said toilet seat;

and

a switch for selectively energizing said electric motor for rotation in either

direction.

2. The toilet seat positioner according to claim 1 wherein said electric motor

is mounted behind a hinged side of said toilet seat and has an output shaft at either end, a pair of

lift arms comprising lift members, each lift arm curving around a respective side of said toilet

seat and having an outer end pivotally connected to said toilet seat, and an inner end coupled to a

respect output shaft of said electric motor.

3 The toilet seat positioner according to claim 2 wherein said lift arms are of

two part construction, said two parts telescoped together.

1                   4. The toilet seat positioner according to claim 1 wherein said lift member  
2                   comprises an elongated rod connected to a nut threaded on a threaded shaft vertically mounted  
3                   alongside said toilet, said shaft rotated by said electric motor to cause said nut to move up or  
4                   down on said threaded shaft causing raising and lowering of said rod and said toilet seat.

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6                   5. The toilet seat positioner according to claim 4 wherein said threaded shaft  
7                   and nut are enclosed in a sleeve casing resting on a floor surface adjacent said toilet.

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9                   6. The toilet seat positioner according to claim 5 wherein said rod extends  
10                  generally vertically alongside said sleeve casing, a lower end of said rod connected to said nut  
11                  through a lengthwise slot in said casing.

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13                  7. The toilet seat positioner according to claim 6 wherein said rod can pivot  
14                  with respect to said toilet seat and said nut.

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16                  8. The toilet seat positioner according to claim 7 wherein an upper end of  
17                  said casing sleeve is supported by a bracket hooked at one end to a toilet bowl rim and fixed at an  
18                  other end to an upper end of said casing sleeve.

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20                  9. The toilet seat positioner according to claim 8 wherein said bracket has an  
21                  elongate eye through which said lift rod passes.

1                   10. The toilet seat positioner according to claim 1 wherein said lift member  
2                   comprises an inner sleeve telescoped into an outer sleeve pivotally supported alongside said  
3                   toilet and extending vertically upward, an upper end of said inner sleeve pivotally attached to one  
4                   side of said toilet seat, said reversible electric motor output shaft drivingly engaged with said  
5                   inner sleeve to cause telescoping movement in and out of said outer sleeve to cause raising and  
6                   lowering of said toilet seat.

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8                   11. The toilet seat positioner according to claim 10 wherein said electric motor is  
9                   mounted to said outer sleeve and drives a pinion gear, said pinion gear meshed with a gear rack  
10                  extending along said inner sleeve to be driven thereby.

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12. The toilet seat positioner according to claim 10 wherein said outer sleeve  
13                  is pivoted at a lower end to a vertical stanchion disposed alongside said toilet.

13. The toilet seat positioner according to claim 12 wherein said stanchion has  
14                  an upper end hooked over a toilet bowl rim of said toilet.

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18                  14. The toilet seat positioner according to claim 11 wherein said outer sleeve  
19                  has an opening through which said pinion gear protrudes to engage said gear rack.